IN THE CLAIMS:

Please amend the claims as follows:

1.   (Currently Amended) Method for determining ~~the~~ an envelope curve of a modulated input signal comprising the steps of:

- generating digital samples by digital sampling a modulated input signal,

- generating Fourier-transformed samples by Fourier transforming the digital samples,

- generating sideband-cleaned, Fourier-transformed samples by removing a range with negative frequencies or a range with positive frequencies from the Fourier-transformed samples,

- generating inverse-transformed samples by inverse Fourier transforming the sideband-cleaned, Fourier-transformed samples, and

- forming values of ~~the~~ an absolute value of the inverse-transformed samples.

2.   (Cancelled)

3.   (Cancelled)

4.   (Currently Amended) Method according to claim 1, comprising ~~logarithmizing the values~~ calculating the logarithms of the values of the absolute value relative to an effective value of the inverse-transformed samples.

5.   (Currently amended) Method according to claim 4, comprising displaying the frequency distribution of the ~~logarithmized values~~ logarithms as a

function of ~~the~~ a logarithmized level (complementary cumulative distribution function diagram).

6. (Previously presented) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor to implement the method according to claim 1.

7. (Previously presented) Computer program product with a program code stored on a machine-readable carrier in order to implement all the steps according to claim 1 when the program is run on a computer or a digital signal processor.

8. (Previously presented) Computer program with program code in order to implement all the steps according to claim 1 when the program is run on a computer or a digital signal processor.

9. (Previously presented) Computer program with program code in order to be able to implement all the steps according to claim 1 when the program is stored on a machine readable data carrier.

10.   (New) Method for determining an envelope curve of a modulated input signal comprising the steps of:

- generating digital samples by digital sampling a modulated input signal,

- generating Fourier-transformed samples by Fourier transforming the digital samples,

- generating sideband-cleaned, Fourier-transformed samples by removing a range with negative frequencies or a range with positive frequencies from the Fourier-transformed samples, and removing a level component at a zero frequency,

- generating inverse-transformed samples by inverse Fourier transforming the sideband-cleaned, Fourier-transformed samples, and

- forming values of the absolute value of an inverse-transformed samples.

11.   (New) Method according to claim 10, comprising processing the inverse-transformed samples further only in such a limited range that a cyclic continuation, which is caused by the Fourier transform and inverse Fourier transform, is suppressed.

12.   (New) Method according to claim 10, comprising calculating the logarithms of the values of the absolute value relative to an effective value of the inverse-transformed samples.

13.   (New) Method according to claim 12, comprising displaying the frequency distribution of the logarithms as a function of a logarithmized level (complementary cumulative distribution function diagram).

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14.   (New) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor to implement the method according to claim 10.

15.   (New) Computer program product with a program code stored on a machine-readable carrier in order to implement all the steps according to claim 10 when the program is run on a computer or a digital signal processor.

16.   (New) Computer program with program code in order to implement all the steps according to claim 10 when the program is run on a computer or a digital signal processor.

17.   (New) Computer program with program code in order to be able to implement all the steps according to claim 10 when the program is stored on a machine readable data carrier.

18.   (New) Method for determining an envelope curve of a modulated input signal comprising the steps of:

- generating digital samples by digital sampling a modulated input signal,

- generating Fourier-transformed samples by Fourier transforming the digital samples,

- generating sideband-cleaned, Fourier-transformed samples by removing a range with negative frequencies or a range with positive frequencies from the Fourier-transformed samples,

- generating inverse-transformed samples by inverse Fourier transforming the sideband-cleaned, Fourier-transformed samples,

- processing the inverse-transformed samples further only in such a limited range that a cyclic continuation, which is caused by the Fourier transform and inverse Fourier transform, is suppressed and,

- forming values of an absolute value of the inverse-transformed samples.

19.   (New) Method according to claim 18, comprising calculating the logarithms of the values of the absolute value relative to an effective value of the inverse-transformed samples.

20.   (New) Method according to claim 19, comprising displaying the frequency distribution of the logarithms as a function of a logarithmized level (complementary cumulative distribution function diagram).

21.   (New) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor to implement the method according to claim 18.

22.   (New) Computer program product with a program code stored on a machine-readable carrier in order to implement all the steps according to claim 18 when the program is run on a computer or a digital signal processor.

23.   (New) Computer program with program code in order to implement all the steps according to claim 18 when the program is run on a computer or a digital signal processor.

24.   (New) Computer program with program code in order to be able to implement all the steps according to claim 18 when the program is stored on a machine readable data carrier.